

Application No. 09/382,433

31. (Original) The method of claim 24 wherein the sensor is selected from the group consisting of a strain sensor and a position sensor.

32-49. (Canceled)

50. (Currently Amended) An ambulatory orthosis system comprising:

a display,

a support portion that fits around a joint and is carried by the patient during activities and a sensor on the support portion, and

a portable controller comprising a digital microprocessor, the controller being operably connected to the sensor, wherein the controller controls the display based on signals from the sensor, and

wherein the patient, flexing the joint, causes a cursor movement on the display, in which the motion of the cursor is correlated with motion ~~or strain~~ of the joint as detected by the sensor in the support portion when the support portion is associated with the joint of the patient.

51. (Canceled)

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52. (Previously Presented) The ambulatory orthosis system of claim 51 wherein the display is integral with the portable controller.

53. (Previously Presented) The ambulatory orthosis system of claim 50 wherein the display is part of a television.